

SILIKOPHEN® P 50/300

methylphenyl polysiloxane resin

Special features

- high viscosity
- good compatibility with organic resins
- excellent air-drying properties

Technical information

| | |
|----------------------|---|
| delivery form | liquid |
| appearance | clear to slightly hazy liquid (product properties are not affected by haziness) |
| non-volatile content | approx. 55 % |
| solvent | isobutanol / xylene 1 : 15 |
| viscosity at 25 °C | approx. 300 mPa s |

Suitability for

| | |
|--------------|-----------|
| solventborne | pigmented |
| ● | ● |
| direct grind | |
| ● | |

● = suitable ... ○ = not suitable

Application

- anti-corrosion coatings for mufflers, ovens, chimneys, oven inserts, barbeques and electric and gas heaters
- binders for heat-resistant coatings

Processing instructions

- Use with temperature stable pigments for continuous heat-resistance up to 350 °C.
- Limited miscibility with aromatic hydrocarbons.
- Use with metallic pigments and special formulations to obtain continuous heat-resistance of up to 650 °C.

Dilution

When diluting with aromatic solvents (toluene, xylene, Solvesso 100) it is recommended to add either isobutanol or a ketone to the aromatics at a ratio of 9:1.

Baking conditions

- 250 °C/45 min.
- Coatings will give temporary corrosion protection immediately after air-drying. The full protective properties do not develop until coated objects reach operating temperature. Handling and transport is possible without intermediate baking.

Registration status

SILIKOPHEN® P 50/300 respectively its ingredients are listed in the following chemical inventories: AICS, DSL, ECL, EINECS, ENCS, IECSC, PICCS, TSCA, NZIOC.

All intentional ingredients are listed on the DSL (Domestic Substance List) inventory or have been notified pursuant to the NSN (New Substances Notification) regulations.

All intentional ingredients are listed on the TSCA inventory or comply with the TSCA Polymer Exemption criteria according 40 CFR 723.

Packaging

steel drum with bung 200 kg

Storage stability

When stored in an original unopened packaging between -10 and +40 °C, the product has a shelf life of at least 12 months from the date of manufacture.

However, contact with tin (e.g. with metal containers) will shorten storage stability.

Keep dry. Contact with moisture causes gelation.

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